

Title (en)
DEVICE AND METHOD FOR PROVIDING A SUPPLY VOLTAGE IN A BUS NODE OF A BUS NETWORK

Title (de)
EINRICHTUNG UND VERFAHREN ZUM BEREITSTELLEN EINER VERSORGUNGSSPANNUNG IN EINEM BUSKNOTEN EINES BUSNETZES

Title (fr)
DISPOSITIF ET PROCÉDÉ DE FOURNITURE D'UNE TENSION D'ALIMENTATION À UN NŒUD DE BUS SUR UN RÉSEAU EN BUS

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Application
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Abstract (en)
[origin: WO2011085703A1] A device for providing a loadable supply voltage in a bus node of a bus network, in particular in a bus node of an EIB network, having a current source (M1) which is connected in series with a capacitance (C3) across which the supply voltage (U) is tapped, wherein the series circuit (M1, C3) is directly or indirectly connected to a bus having bus conductors (Bus+, Bus-) at different potentials, is characterized by a first control module (A) which stabilizes the operating point of the current source (M1) independently of bus signals on the bus conductors (Bus+, Bus-) and loads or load changes of the supply voltage (U); and a second control module (B) which adapts the operating point of the current source (M1) in response to a bus signal on the bus conductors (Bus+, Bus-). A method for providing a loadable supply voltage is also disclosed.

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